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PATENT

TC 1700

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In Re Application of:**

**Charles S. Vann et al.**

**Serial No.: 09/955,554**

**Group Art Unit: Not yet assigned**

**Filing Date: September 18, 2001**

**Examiner: Not yet assigned**

**For: MATRIX STORAGE AND DISPENSING SYSTEM**

DATE OF DEPOSIT: 11/9/01

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, DC 20231.

Michael K. Jones  
TYPED NAME: Michael K. Jones  
REGISTRATION NO.: 41,100

Assistant Commissioner for Patents  
Washington DC 20231

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first office action after the filing of request for continued examination under §1.114, no additional fee is required.

- In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with  the first or  second After Final Submission, therefore:
  - Certification in Accordance with §1.97(e) is attached; or
  - The fee of \$180.00 as set forth in §1.17(p) is attached.
- In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or before an action that otherwise closes prosecution in the application, therefore:
  - Certification in Accordance with §1.97(e) is attached; or
  - The fee of \$180.00 as set forth in §1.17(p) is attached.
- In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); and the submission fee of \$180.00 as set forth in §1.17(p).
- Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:
  - In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

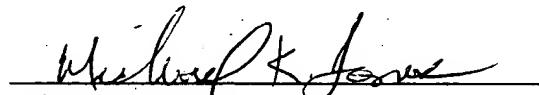
In accordance with §1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. §120 have been made in the instant application:

Copies of references AA-CF listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. 09/251,232, filed **February 16, 1999**.

If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

Date: 11/9/01

  
**Michael K. Jones**  
Registration No. 41,100

WOODCOCK WASHBURN LLP  
One Liberty Place - 46th Floor  
Philadelphia, PA 19103  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439

<b>Form PTO-1449 Modified</b>			Docket No. <b>ABI-0041</b>	Serial No. <b>09/955,554</b>		
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)			Applicant <b>Charles S. Vann et al.</b>			
U.S. Department of Commerce Patent and Trademark Office			Filing Date <b>September 18, 2001</b>	Group <b>Not yet assigned</b>		
<b>U. S. PATENT DOCUMENTS</b>						
Examiner Initial		Document No.	Date	Name	Class	Subclass
	<b>AH</b>	3,568,735	03/09/71	Lancaster	141	238
	<b>AI</b>	3,843,053	10/22/74	Thoden	239	11
	<b>AJ</b>	3,974,854	08/17/76	Kurpanek	137	512
	<b>AK</b>	4,101,284	07/18/78	Difiglio et al.	422	100
	<b>AL</b>	4,272,510	06/09/81	Smith et al.	427	47
	<b>AM</b>	4,415,098	11/15/83	Haas	221	202
	<b>AN</b>	4,444,336	04/24/84	Nielsen	222	129.4
	<b>AO</b>	4,593,728	06/10/86	Whitehead et al.	141	98
	<b>AP</b>	4,605,408	08/12/86	Carpentier	623	2
	<b>AQ</b>	4,648,529	03/10/87	Blakemore et al.	221	1
	<b>AR</b>	4,649,116	03/10/87	Daty et al.	435	287
	<b>AS</b>	4,681,742	07/21/87	Johnson et al.	422	102
	<b>AT</b>	4,699,884	10/13/87	Noss et al.	435	30
	<b>AU</b>	4,937,048	06/26/90	Sakai et al.	422	63
	<b>AV</b>	4,952,518	08/28/90	Johnson et al.	436	518
	<b>AW</b>	4,979,955	12/25/90	Smith	623	2
	<b>AX</b>	4,991,628	02/12/91	Makela et al.	137	884
	<b>AY</b>	5,011,779	04/30/91	Maimon	435	309.1
	<b>AZ</b>	5,046,539	09/10/91	MacLeish et al.	141	234
<b>EXAMINER</b>			<b>DATE CONSIDERED</b>			

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<b>U. S. PATENT DOCUMENTS</b>						
Examiner Initial		Document No.	Date	Name	Class	Subclass
	<b>BA</b>	5,306,510	04/26/94	Meltzer et al.	422	65
	<b>BB</b>	5,382,512	01/17/95	Smethers et al.	435	6
	<b>BC</b>	5,445,934	08/29/95	Fodor et al.	435	6
	<b>BD</b>	5,508,200	04/16/96	Tiffany et al.	436	44
	<b>BE</b>	5,525,302	6/11/96	Astle	422	100
	<b>BF</b>	5,571,258	11/05/96	Pearson	221	211
	<b>BG</b>	5,616,299	04/01/97	Walker et al.	422	99
	<b>BH</b>	5,620,853	04/15/97	Smethers et al.	435	6
	<b>BI</b>	5,649,576	07/22/97	Kirk et al.	141	129
	<b>BJ</b>	5,677,195	10/14/97	Winkler et al.	436	518
	<b>BK</b>	5,685,459	11/11/97	Wardle	222	146.6
	<b>BL</b>	5,722,470	03/03/98	Kedar et al.	141	100
	<b>BM</b>	5,770,860	06/23/98	Franzen	250	288
	<b>BN</b>	5,773,296	06/30/98	Montalbano et al.	436	43
	<b>BO</b>	5,788,814	08/04/98	Sun et al.	279	128
	<b>BP</b>	5,812,410	09/22/98	Lion et al.	700	231
	<b>BQ</b>	5,846,595	12/08/98	Sun et al.	427	2.14
	<b>BR</b>	5,935,859	08/10/99	Elliott et al.	436	54
	<b>BS</b>	5,979,251	06/11/96	James et al.	73	863.02
	<b>BT</b>	6,074,609	06/13/00	Gavin et al.	422	99
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**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	<b>BU</b>	2099803	12/15/82	GB		
	<b>BV</b>	0475533	03/18/92	EP		
	<b>BW</b>	0803452	10/29/97	EP		
	<b>BX</b>	WO 95/35505	12/28/95	PCT		
	<b>BY</b>	WO 96/36436	11/21/96	PCT		
	<b>BZ</b>	WO 97/40383	10/30/97	PCT		
	<b>CA</b>	WO 97/44134	11/27/97	PCT		
	<b>CB</b>	WO 98/08092	02/26/98	PCT		
	<b>CC</b>	WO 98/15825	04/16/98	PCT		
	<b>CD</b>	WO 98/17383	04/30/98	PCT		
	<b>CE</b>	WO 98/38122	09/03/98	PCT		
	<b>CF</b>	WO 98/40159	09/17/98	PCT		
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Docket No. <b>ABI-0041</b> Serial No. <b>09/955,554</b>		
Applicant <b>Charles S. Vann et al.</b>		
Filing Date <b>September 18, 2001</b> Group <b>Not yet assigned</b>		
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
	<b>AA</b>	Brussolo, J.S. and Dewitt, S.H., "Automated Sample Handling Systems", <i>NetSci Articles</i> , 1(5):1-10 (1995)
	<b>AB</b>	Castellino, A.M., "When the Chips are Down", <i>Genome Research</i> , 7:943-946 (1997)
	<b>AC</b>	Editorial, "Getting hip to the chip", <i>Nature Genetics</i> , 18(3):195-197 (1998)
	<b>AD</b>	Fodor, S.P.A., et al., "Light-directed Spatially Addressable Parallel Chemical Synthesis", <i>Science</i> , 251:767-773 (1991)
	<b>AE</b>	Haystack™ brochure, The Automation Partnership, First Edition: October 1995
	<b>AF</b>	International Search Report dated 09/25/00 from PCT/US00/03841
	<b>AG</b>	Lemmo, A.V. et al., "Characterization of an Inkjet Chemical Microdispenser for Combinatorial Library Synthesis", <i>Analytical Chemistry</i> , 69(4):543-551 (1997)
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>